

PRODUCT INFORMATION

SOFT FILM RUST PREVENTIVE COATINGS

When protecting precision parts, it's important to balance the longevity of corrosion protection with ease of cleanability. By using a **TECTYL**® soft-film coating that is grease-like in nature, the rust preventive coating can often be easily removed or, in some cases, put right into use. This product line consists of solvent cutback, corrosion preventive compounds that leave a grease-like film. Thanks to the solvent carrier, the coating can be applied easily using brush, dip, or spray methods and will quickly tighten up as the solvent evaporates. The products are designed to protect ferrous and non-ferrous parts for indoor or covered storage and during shipment.

The **TECTYL**® 502 products are also part of our line of Mil-Spec coatings.

PRODUCT INFORMATION

LABORATORY DATA	502C Class 1	502C Class 2
Liquid Appearance	Brown	
Dry Color	Amber	
Film Type	Oily	
Non-Volatile by Weight	60.4%	67%
Non-Volatile by Volume	56.4%	63.1%
V.O.C. (lbs/gal minus water)	2.82	2.40
Viscosity	65 cSt @ 100°F	200 cSt @ 100°F
Weight per Gallon	7.12	7.25
Specific Gravity	0.86	0.87
Flash Point	105°F	105°F
Wet Film Thickness	1.5 mils	1.6 mil
Dry Film Thickness	0.86 mils	1.0 mil
Coverage (sq.ft/gal)	850	1,000
Impervious to Water	1 hour	
Cure Time	24 hours	
Removal: Wet and Dry Film	Mineral Spirits or Citrus Based Cleaner	

ACCELERATED CORROSION TESTS

	502C Class 1	502C Class 2
5% Salt Spray (hours) ASTM* B-117 @ Recommended DFT (2x4x1/8 in. Polished Steel Panels)	624	720
100% Relative Humidity (hours) ASTM* D-1748 @ Recommended DFT (2x4x1/8 in. Polished Steel Panels)	4,100	4,100
Indoor Exposure	2 years	2 years
Outdoor Exposure	6 months	6 months

APPLICATION

These products can be applied by brush, dip, or spray. If the product thickens due to cold storage or loss of solvent during use, contact Daubert Chemical Company. DO NOT THIN. Incorrect thinning will affect film build, dry time, and product performance. Daubert Chemical Company recommends that the ambient and product temperature be 50 - 95°F (10 - 35°C) at time of application.

These products are approved under Military Specifications **MIL-PRF-16173E, Grade 2, QPL Reference Number 16173-94.**

TECTYL® 502C Class 1 can be used for outdoor protection, where metal temperatures do not reach levels which produce prohibitive flow of the corrosion preventative.

TECTYL® 502C Class 2 is also approved for **MIL-P-116J, Type P-2.** **TECTYL® 502C Class 2** is formulated to be environmentally friendly with a low VOC and is compatible with a variety of oils and greases

*ASTM (American Society for Testing and Materials)

Please Refer to SDS or Contact Daubert Chemical Company for Additional Information

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